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PHYSICOMATHEMATICAL SCIENCES

For the Degree of Candidate in Sciences

- GUDIYEV, A. Kh. -- "Determination of the Number of Classes of Ideals of Fourth-Order Algebraic Fields." Min Higher Education USSR. Kiev State U imeni T. G. Shevchenko. Kiev, 1956.
- KUZHIIY, A. I. -- "On the Asymptotic Representation of Integrals of Ordinary Linear Differential Equations with Slowly Changing Coefficients." Kiev State Pedagogical Inst imeni A. M. Gor'kiy. Chair of Mathematical Analysis. Kiev, 1956.
- NIKITINA, A. K. -- "The Use of the Annealing Method to Investigate Distortions Occurring in Metal at Various Speeds of Deformation." Tomsk State U imeni V. V. Kuybyshev. Tomsk, 1956.
- STRELKOVA, E. P. -- "Investigation of Changes in the Light Indexes of Long-Period Variable Stars of the Mira Kit Type." Min Higher Education Ukrainian SSR. Odessa State U imeni I. I. Mechnikov. Odessa, 1955.
- TSYBUL'SKIY, G. P. -- "Some Marginal Problems in Hydromechanics." Min Higher Education USSR. Kazan' Order of Labor Red Banner State U imeni V. I. Ul'yanov-Lenin. Kazan', 1956.

CHEMICAL SCIENCES

For the Degree of Candidate in Sciences

- GONSOVSKAYA, T. B. -- "Alkylation of Benzol with an Ethylene-Propylene Mixture of By-Products from the Production of Divinyl, Following the Method of Academician S. V. Lebedev." Min Higher Education USSR. Voronezh State U. Voronezh, 1956.
- YEGOROV, A. G. -- "On the Products of Combining Organic Acids with Mono-Substituted Acetylene Hydrocarbons." Leningrad State Pedagogical Inst imeni A. I. Gertsen. Chair of Organic Chemistry. Leningrad, 1956.
- MITSKUS, M. -- "The Kinetics of Tri-Valent Ions of Chromium in the Process of Chrome-Plating." Acad Sci Lithuanian SSR. Inst of Chemistry and Chemical Technology. Vil'nyus, 1956.
- RADINA, L. B. -- "The Synthesis, Structure, and Certain Reactions of the Derivatives of Hydrazine and Monocacyl Dihydrophenazine (The Problem of the Connection between the Chemical Structure and the Ability to Form Free Hydrogen Radicals)." Min Higher Education USSR. Ural Polytechnic Inst imeni S. M. Kirov. Sverdlovsk, 1956.

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STREL'TSOVA, S. G. -- "The Stereochemistry and Mechanism of Hydrogenation of Compounds with Multiple Bonds." Acad Sci Ukrainian SSR. Inst of Organic Chemistry. Kiev, 1956.

GEOLOGICOMINERALOGICAL SCIENCES

For the Degree of Candidate in Sciences

GAVRISHUK, S. I. -- "On the Use of the Crystallographic Orientation of Lumps of Artificial Ruby for Rationalizing the Technological Process of Producing Watchmaking Jewels." Inst of Crystallography, Acad Sci USSR. Moscow, 1955.

NESMELOVA, Z. N. -- "The Gas Content of the Salt Layer at the Berezniki Potash Mine." All-Union Sci Res Geological Inst (VSYeGYeI), Min of Geology and Protection of Natural Resources USSR. Leningrad, 1956.

OBRUCHEV, O. P. -- "Armored Fish (Coccosteides and Dynichthiides) of the Devonian Era in the USSR." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1956.

BIOLOGICAL SCIENCES

For the Degree of Candidate in Sciences

APANASYUK, M. P. -- "Bile Lipids in the Dog under Normal Conditions and in Certain Pathological States." Acad Med Sci USSR. Moscow, 1955.

KASIMOVA, RABIYA MAMED MEKHTI KIZY -- "Anthropological Investigation of Skulls from Mingechaur (In Connection with the Study of the Ethnogenesis of the Azerbaydzhan Nation)." Inst of Anthropology, Moscow State U imeni M. V. Lomonosov. Moscow-Leningrad, 1956.

KOLOMIYETS, Ye. F. -- "The Effect of Hypoxia on the Intensity of Gas Exchange and the State of the Thyroid Gland (Experimental Investigation)." Min Higher Education Ukrainian SSR. Khar'kov Order of Labor Red Banner State U imeni A. M. Gor'kiy. Khar'kov, 1956.

KUZNETSOVA, I. A. -- "The Biology of the Black Pine Beetle in the Forested Regions near the Steppe in Connection with the Development of Measures to Combat It." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Sci Res Inst of Plant Conservation. Leningrad, 1956.

LAPOCHKIN, I. A. -- "The Development of Detours Following Stenosis and Adhesions of the Descending Aorta and Its Principal Branches in Domestic Chickens and Geese. Anatomical-Experimental Investigation." Leningrad State Pedagogical Inst imeni A. I. Gertsen. Leningrad, 1956.

MAMONETS, T. M. -- "The Effect of Ions of Potassium and Calcium on the Reflex Activity of the Spinal Cord." Kiev State U imeni T. G. Shevchenko. Chair of Human and Animal Physiology. Kiev, 1955.

MIKHAYLOVA, I. G. -- "The Development of the Heart Valve in the Human Embryo." Leningrad Order of Lenin State U imeni A. A. Zhdanov. Leningrad, 1956.

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NADEZHINA, T. P. -- "Some Aspects of the Biology and Ecology of Tragacanth Milk-Vetch of Kopet-Dag as a Basis for Its Exploitation, and the Outlook for Its Cultivation." Acad Sci USSR. Botanical Institute imeni V. L. Komarov. Leningrad, 1956.

ORESTOV, Ye. P. -- "The Water-Balance and External Secretion of the Penicillium." Moscow City Pedagogical Institute imeni V. P. Potemkin. Moscow, 1956.

PETROV, P. A. -- "Rodents of the Volga-Akhtuba Lowland, and Their Economic and Epidemiological Significance." Rostov na Donu State University imeni V. M. Molotov. Rostov na Donu, 1956.

STRELKOV, Yu. A. -- "Endoparasitic Worms of Ocean Fish in Eastern Kamchatka." Acad Sci USSR. Zoological Institute. Leningrad, 1956.

SHCHERBIN-PARFENENKO, A. L. -- "Endothelial Cancer and Gall Disease of the Edible Chestnut." Min Higher Education USSR. Leningrad Order of Lenin Forestry Engineering Academy imeni S. M. Kirov. Leningrad, 1956.

TECHNICAL SCIENCES

For the Degree of Doctor in Sciences

BASHINSKIY, S. V. -- "The Principles of Technical Norming in Construction." Min Higher Education USSR. Moscow Order of Labor Red Banner Construction Engineering Institute imeni V. V. Kuybyshev. Moscow, 1956.

SAVINOV, O. A. -- "Foundations under Machinery (Design Principles)." Min Higher Education USSR. Leningrad Order of Labor Red Banner Construction Engineering Institute. Leningrad, 1956.

YUR'YEV, M. A. -- "Some Problems in the Theory of Spectral Instruments for Investigations in the Infra-Red Region." Min Higher Education USSR. Leningrad Institute of Precision Mechanics and Optics. Leningrad, 1956.

For the Degree of Candidate in Sciences

ABRAMOVA, N. I. -- "A Study of the Connection between Chemical Structure of Certain Yellow and Orange Vat Dyes and Their Effect on the Light-Dispersion of Fiber." Min Higher Education USSR. Moscow Textile Institute. Moscow, 1956.

ALEKSANDROV, V. T. -- "Investigation of Filtration in Homogeneous Drained Flat Soils on a Water-Permeable Base." Min Higher Education USSR. Moscow Institute of Water Economy Engineers imeni V. R. Vil'yams. Moscow, 1956.

ALFUTOV, N. A. -- "The Stability of Cylindrical and Conic Reinforced Membranes Loaded with External Pressure." Moscow Higher Technical School. Min Higher Education USSR. Moscow Order of Lenin and Order of Labor Red Banner Higher Technical School imeni Bauman. Moscow, 1956.

BARSH, K. N. -- "Taking Account of the Adhesive-Plastic Properties of Rubber Mixtures in Calculating Cylinders." Min Higher Education

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USSR. Moscow Technological Inst of Light Industry imeni L. N. Kaganovich. Moscow, 1956.

BELORUSOV, G. S. -- "Investigation of the Geometry of a Cutting Tool in Cutting Limestone Rock." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1956.

BELIAKOV, R. V. -- "Problems in the Theory and Calculation of Ferroresonance Voltage Stabilizers." Min Higher Education Ukrainian SSR. Kiev Order of Lenin Polytechnic Inst. Chair of Acoustics and Acoustic Engineering. Kiev, 1955.

BENEDIASHVILI, S. M. -- "The Problem of Using, as Traction Motors, Double-Wound Multi-Speed Asynchronous Machinery with Short-Circuited Rotors." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obratsov. Leningrad, 1956.

BOGOYAVLENSKAYA, N. V. -- "The Electric Polishing of Stainless Steel Pipe with Increased Current Density." Min Ferrous Metallurgy USSR. All-Union Sci Res Pipe Inst. Dnepropetrovsk, 1955.

BUZO, S. A. -- "On the Acoustic Investigation of the Ocean Bottom." Min Maritime Fleet USSR. Leningrad Higher Engineering Maritime School imeni Admiral S. O. Makarov. Leningrad, 1956.

DRUZHINSKIY, I. A. -- "Analysis of Systems of Copying the Action of Metal-Cutting Tools." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1956.

KASHKAROV, I. F. -- "Certain Laws of the Operation of Mechanical Flotation Machinery with Centrifugal Impellers." Min Higher Education USSR. Moscow Inst of Nonferrous Metals and Gold imeni M. I. Kalinin. Ordzhonikidze, 1956.

LEVIN, V. Ya. -- "Investigation of a Nozzle and a Chamber in Connection with the Problem of a Pulsating Turbine." Min Higher Education USSR. Belorussian Polytechnic Inst imeni I. V. Stalin. Chair of "Heat Supplies and Ventilation." Minsk, 1956.

NEFEDOVA, T. A. -- "Investigation of Iron-Nickel Storage Batteries for Use in Automatic Blocking Equipment." Min Railways USSR. All-Union Sci Res Inst of Railroad Transport. Moscow, 1956.

NIKOL'SKIY, V. V. -- "Measurement of the Tensor of Magnetic Permeability and Dielectric Permeability of Ferrites." Min Higher Education USSR. Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze. Moscow, 1956.

OKNOV, S. M. -- "Highly-Alloyed Acid-Resistant Steel with a Nickel Content Less than That of 18% Ni Steel. For Casting." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1956.

PUGACH, Ye. P. -- "The Bending of a Sheet -- Bracket Arm." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obratsov. Leningrad, 1956.

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REKHINA, N. I. -- "Obtaining a Protein Preparation from Codfish." Moscow Technical Inst of the Fish Industry and Economy imeni A. I. Mikoyan. Moscow, 1956.

SADYKH-ZADE, E. S. -- Author's abstract of a dissertation submitted toward the academic degree of Candidate in Technical Sciences on "Rational Principles for the Removal of Gas from an Underground-Pump Oil Well." Min Higher Education USSR. Azerbaydzhan Order of Labor Red Banner Industrial Inst imeni M. Azizbekov. Baku, 1956.

TOMASHEVICH, V. K. -- "The Biochemical Characteristics of the Process of Malting Certain Types of Barley from the Ukraine." Min Higher Education Ukrainian SSR. Kiev Technological Inst of the Food Industry imeni A. I. Mikoyan. Kiev, 1956.

FREZINSKIY, M. L. -- "Aspects of the Theory of the Electrical Processes of Ignition of Motorcycle Engines with Worn Induction Coils." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. Moscow, 1956.

CHZHAN YU-SHI -- "The Principles of the Complex Utilization of the Water Resources of Small and Medium-Sized Rivers." Published by the Acad Sci USSR. Acad Sci USSR. Power Engineering Inst imeni G. M. Krzhizhanovskiy. Moscow, 1956.

SHVARTS, A. L. -- "Investigation of the Downward Movement of a Steam-Water Mixture in Vertical Pipes." Min Electric Power Stations USSR. All-Union Order of Labor Red Banner Heat Engineering Sci Res Inst imeni F. E. Dzerzhinskiy. Moscow, 1956.

AGRICULTURAL SCIENCES

For the Degree of Doctor in Sciences

STARTSEV, D. I. -- "Methods of Developing and Perfecting Siementhal-Type Cattle in the USSR." All-Union Sci Res Inst of Animal Husbandry. Moscow, 1956.

For the Degree of Candidate in Sciences

GOLIKOV, I. I. -- "Rayon and Oblast Agricultural Exhibitions as a Method of Propagation and Application of the Achievements of Science and Progressive Experience in Agriculture." Min Higher Education USSR. Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev. Kiev, 1956.

GUTSALYUK, T. G. -- "Increasing the Field Germination of Seeds and the Harvest of Cucurbitaceous Crops under the Conditions of the Alma-Ata Suburban Zones." Alma-Ata Vegetable and Potato Experimental Station, Inst of Farming imeni V. R. Vil'yams. Kazakh Affiliate. VASKONIL. Alma-Ata, 1956.

KUNAKOVA, R. I. -- "The Effect of Changes in Feeding on the Utilization of Nutrients, the Growth, and the Development of Heifers." Min Higher Education USSR. Leningrad Veterinary Inst. Leningrad, 1956.

LI YEN GYU -- "The Breeding Herd of Large White Pigs on the 'Konstantinovo' Pig-Breeding Sovkhoz (With Characteristics of the Basic Lines and Families) and Outlook for Its Further Improvement." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1956.

FOMITSKIY, N. I. -- "Agrobiological Evaluation of the Starting Material for Selection of Spring Wheat under the Conditions of the Peat-Bog Soils of the Belorussian SSR." Acad Sci Belorussian SSR. Inst of Socialist Agriculture. Minsk, 1956.

TSERUASHVILI, G. Ye. -- "Investigation of the Operation of Tea-Spraying Machinery in Order to Determine the Agricultural-Engineering Requirements for the Machines." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Sci Res Inst of Plant Conservation. Leningrad, 1956.

CHALYK, T. S. -- "Hybridization of Corn Based on the Use of Local Moldavian Varieties." Kishinev State Inst imeni M. V. Franze. Kishinev, 1956.

VETERINARY SCIENCES

For the Degree of Candidate in Sciences

ANDRAYTIS, A. P. -- "The Economic Effect of Ovariectomy of Swine of the Lithuanian White Breed Group Using Various Methods of Operating." Acad Sci Lithuanian SSR. Inst of Biology. Inst of Animal Husbandry and Veterinary Medicine. Kaunas, 1956.

GRIGORYAN, G. S. -- "The Use of 'Izbirin' Preparation to Treat Inflammation of the Stomach and Intestinal Tract of Calves." Min Higher Education USSR. Yerevan Zooveterinary Inst. Yerevan, 1955.

GUBIN, G. N. -- "A Study of the Immunobiological Properties of Strains of the Hoof-and-Mouth Virus Isolated in the USSR between 1951 and 1953." All-Union Inst of Experimental Veterinary Medicine, Min Agriculture USSR. Moscow, 1956.

RUSINOV, A. F. -- "The Effect of Prolonged Local Anesthesia on the Healing of Experimental Wounds." Min Higher Education Ukrainian SSR. Khar'kov Veterinary Inst. Khar'kov, 1955.

FILIMONENKO, Ya. S. -- "The Use of the Bacteriophage for Prophylactic Purposes in Combating Calf Paratyphus." Min Higher Education USSR. Azerbaydzhan Agricultural Inst. Kirovobad, 1955.

MEDICAL SCIENCES

For the Degree of Doctor in Sciences

DZHAVADYAN, N. S. -- "Experimental Material on the Problem of Nervous Regulation of the Blood System." Acad Med Sci USSR. Moscow, 1956.

TREYLIKH, Ye. A. -- "Material on the Study of Tuberculosis in Adolescents in Kazakhstan." Kazakh State Medical Inst imeni V. M. Molotov. Alma-Ata, 1956.

For the Degree of Candidate in Sciences

BELORYSKINA, L. I. -- "Interceptive Effects of the Gastrointestinal Tract on the Bile-Forming Function of the Liver." Acad Med Sci USSR. Inst of Normal and Pathological Physiology. Moscow, 1956.

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- VENGEROVSKAYA, O. A.** -- "Experience in Treating Hypertonic Disease in Functional States Using Ionophoresis with Bromine, Either the Usual Method or in the Form of a Galvanic Collar Combined with Ordinary Water Baths." From the Clinical Department, Tomsk Inst of Physical Methods of Treatment. Tomsk, 1956.
- GRUZDEVA, N. G.** -- "Botkin's Disease and Pregnancy." Min Health Ukrainian SSR. Kiev Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomolets. Kiev, 1955.
- DMITRICHENKO, L. M.** -- "On the Characteristics of Vascular Reactions in Man in Various Functional States of the Cerebral Cortex." Minsk State Medical Inst. Minsk, 1956.
- KRUKOVSKAYA, V. F.** -- "Clinical X-Ray Investigation of So-Called Light Athletic Wounds." State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture imeni P. F. Lesgaft. Chair of Therapeutic Physical Culture and Medical Control. Leningrad, 1956.
- LASHKEVICH, V. A.** -- "Material on the Etiology and Epidemiology of Outbreaks of Q-Fever in the Kirgiz SSR and in Chkalov, Saratov, and Moscow Oblasts." Acad Med Sci USSR. Inst for the Study of Poliomyelitis. Moscow, 1956.
- MEDVEDEVA, G. I.** -- "Investigation of the Evacuator Function of the Stomach in Certain Fever Conditions (Experimental-Clinical Investigation)." Central Sci Res Roentgenological and Radiological Inst, Min Health USSR. Leningrad, 1956.
- PETROV, I. S.** -- "The Motor-Evacuator Activity of the Stomach and of the Small Intestine Following Resection of the Pyloric Portion, the Cardia, and Following Complete Removal of the Stomach (Experimental Investigation)." Tomsk State Medical Inst imeni V. M. Molotov. Tomsk, 1955.
- SEIDOV, F. S.** -- "The Use of Surakhany Hydrogen-Sulfide Waters in Rheumatic and Infectious Polyarthritides Diseases." Azerbaydzhan State Medical Inst. Baku, 1956.
- YAROSHEVSKAYA, Ye. N.** -- "Changes in the Spinal Column in Rickets and Dystrophy in Young Children (Roentgenological-Histological Investigation)." State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov. Leningrad, 1956.

PEDAGOGICAL SCIENCES

For the Degree of Doctor in Sciences

- BOLGARSKIY, B. V.** -- "The Kazan' School for Mathematical Training (Its Main Outlines)." Min Higher Education USSR. Kazan' Order of Labor Red Banner State U imeni V. I. Ul'yanov-Lenin. Kazan', 1955.

For the Degree of Candidate in Sciences

- VANDYSHEVA, Ye. V.** -- "Elementary Transcendental Functions in the Algebra Course of the Intermediate School." Academy of Pedagogical Sciences RSFSR. Sci Res Inst of Teaching Methods. Moscow, 1956.

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- GIBU, E. -- "On the Structure of the Physical-Training Lessons in the School." State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture imeni P. F. Lesgaft. Leningrad, 1955.
- IVANOVA, V. F. -- "Aspects of the Formation of Endurance in Students of the First through Third Classes." Min Education Ukrainian SSR. Kiev State Pedagogical Inst imeni A. M. Gor'kiy. Kiev, 1955.
- KOZLOV, A. M. -- "Reinforcing the Teaching Material in the Lessons of the Fifth Class of Intermediate School (Based on Material in the Humanitarian Subjects)." Min Education Ukrainian SSR. Kiev State Pedagogical Inst imeni A. M. Gor'kiy. Kiev, 1955.
- LUTKOVSKIY, Ye. M. -- "Teaching Adolescents to Throw the Hammer." State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture imeni P. F. Lesgaft. Leningrad, 1956.
- MAZMANYAN, A. A. -- "Teaching a Communist Attitude toward Social Property in the Fifth through Tenth Classes of School." Yerevan State U imeni V. M. Molotov. Yerevan, 1956.
- MORALEVA, N. A. -- "Lexical Shortcomings in the Written Work of Students of the Fifth Class and Methods of Avoiding and Correcting Them." Academy of Pedagogical Sciences RSFSR. Sci Res Inst of Teaching Methods. Moscow, 1956.
- NOVIKOV, A. A. -- "An Analysis of the Technique of Throwing with the Back while Standing, and Methods of Teaching It." State Central Sci Res Inst of Physical Culture. Moscow, 1956.
- PETROV, N. I. -- "Problems of the Technique of Skating and Methods of Teaching It (Generalization of Working Experience)." State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture imeni P. F. Lesgaft. Leningrad, 1956.

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